

SLIDER WITH A COMPLIANT TRANSDUCER INTERFACE
ABSTRACT OF THE DISCLOSURE

A slider is used for supporting a transducing head proximate a rotating disc. The slider includes a primary air bearing having a disc opposing face bounded by a leading edge and a first trailing edge. An air bearing surface is defined on the disc opposing face. The slider further includes a secondary air bearing having a disc opposing face bounded by a front edge and a second trailing edge. The air bearing surface is defined on the disc opposing face. The air bearing surface has a pad proximate the second trailing edge wherein the transducing head is located on the pad. An interface connects the secondary air bearing to the primary air bearing and the interface displaces the transducing head vertically with respect to the primary air bearing to maintain head media spacing (HMS) between the transducing head and the disc substantially constant as the slider flies above the disc.

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